

FIG. 1

LAND WIDTH : SMALL
LAND AREA, RADIUS : SMALL
LAND DIAMETER : SMALL

FIG. 2

Diagram illustrating a cross-sectional view of a magnetic head assembly. The assembly includes a central slider (3) with a top surface (12) and a bottom surface (12a). The slider is positioned over a substrate (11) which has a central gap (4). The gap is flanked by two lands (2 and 2a). The lands are covered by a thin layer (5) and a thicker layer (7). The angle of the slider's bottom surface is labeled "ANGLE : LARGE". Dimensions at the bottom indicate "LAND WIDTH : SMALL", "LAND AREA, RADIUS : SMALL", and "LAND DIAMETER : SMALL".

FIG.3

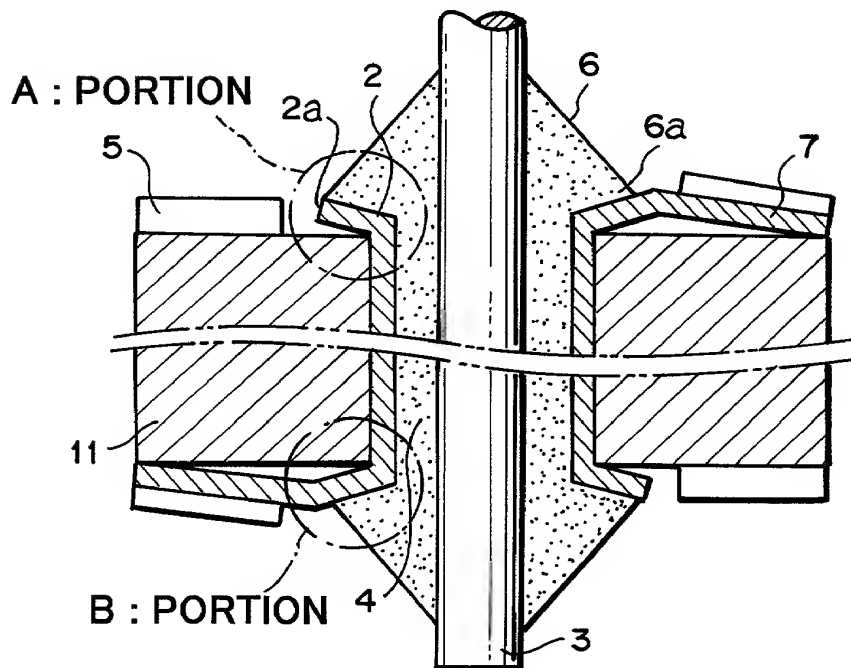


FIG.4

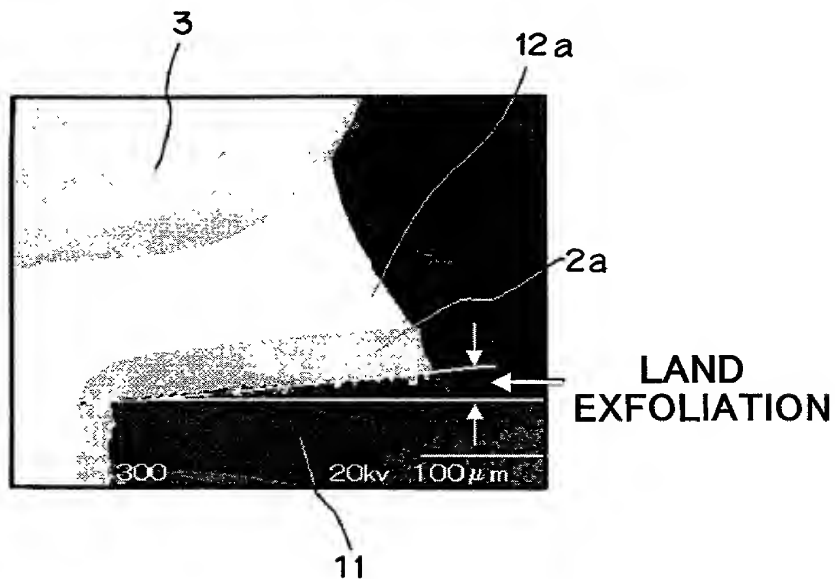


FIG.5

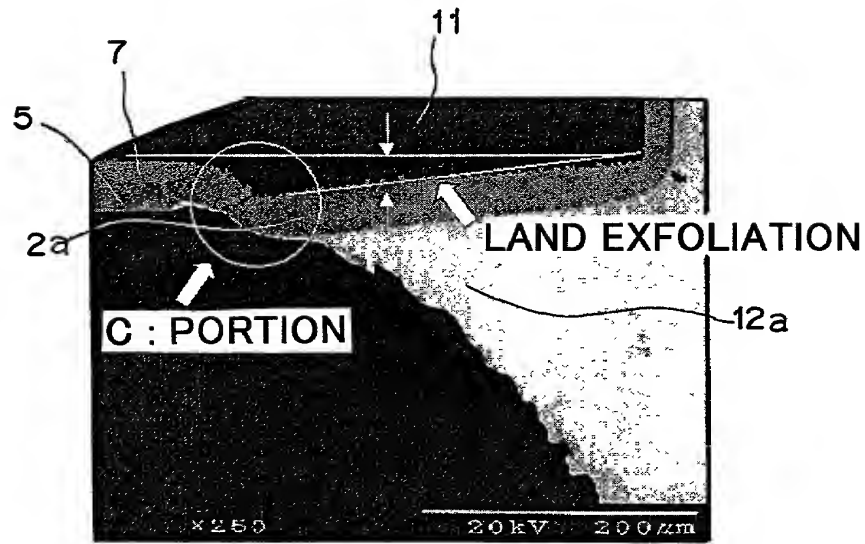
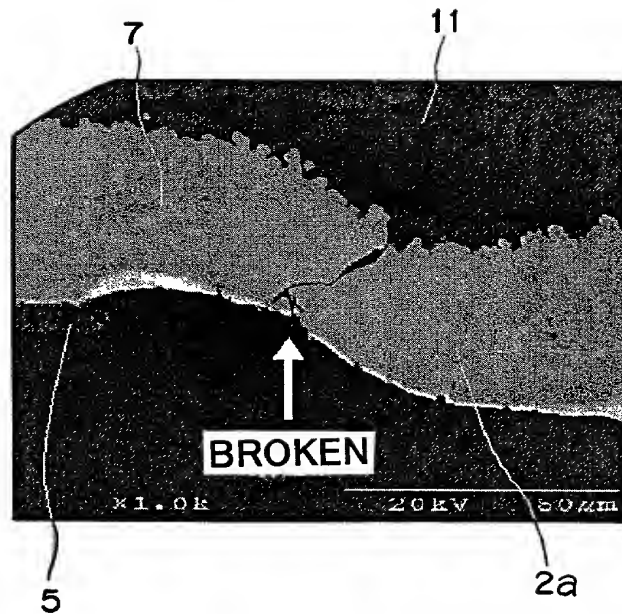


FIG.6



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FIG.7

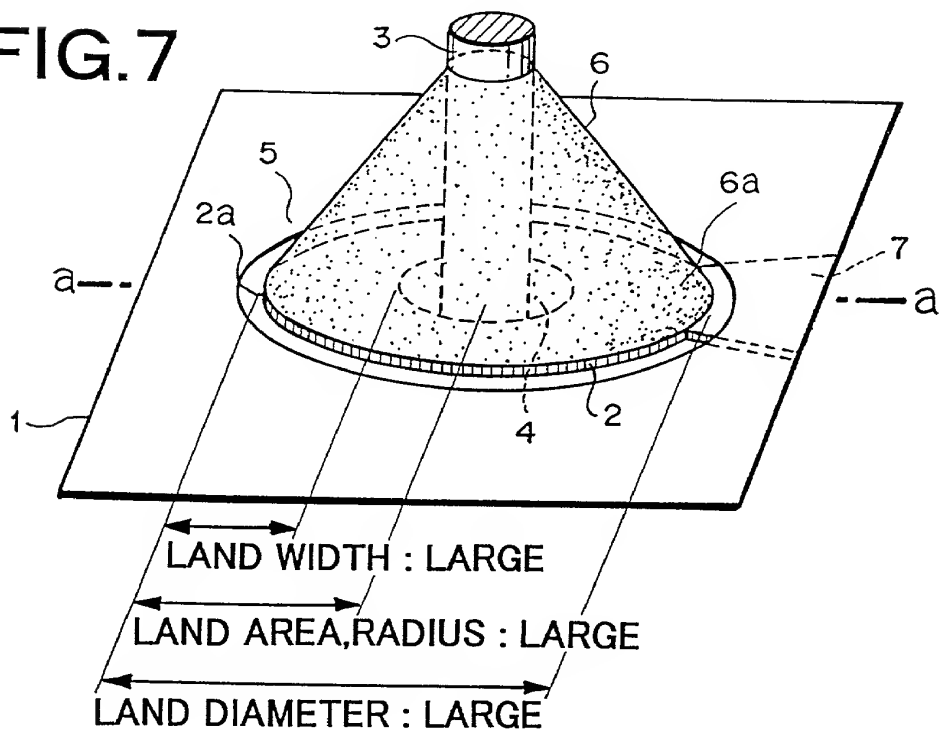


FIG.8

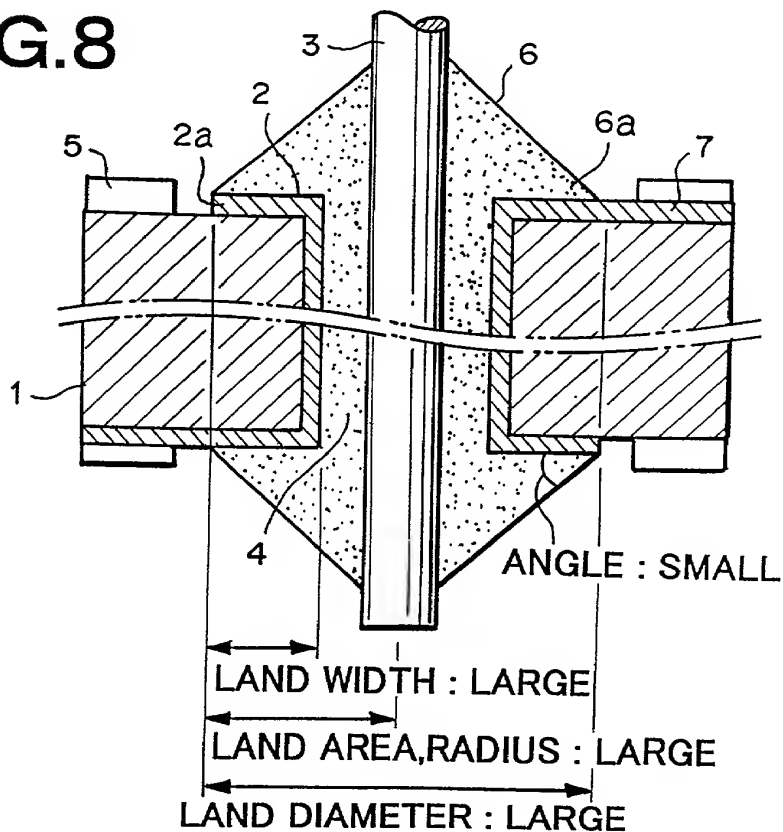


FIG.9

(LAND DIAMETER Y : EXAMPLE, LAND DIAMETER X : COMPARISON EXAMPLE)

EXAMPLE COMPARISON EXAMPLE	THROUGH HOLE DIAMETER Z(mm)	LAND DIAMETER X (mm)	LAND DIAMETER Y (mm)	X LAND WIDTH (X-Z)/2	Y LAND WIDTH (X-Y)/2	INCIDENCE OF X LAND EXFOLIATION(%)	INCIDENCE OF Y LAND EXFOLIATION(%)
EXAMPLE 1 COMPARISON EXAMPLE 1	0.6	1.1	1.4	0.25	0.4	31.3	0
EXAMPLE 2 COMPARISON EXAMPLE 2	0.8	1.3	1.6	0.25	0.4	21	4
EXAMPLE 3 COMPARISON EXAMPLE 3	0.9	1.35	1.7	0.225	0.4	25	0
EXAMPLE 4 COMPARISON EXAMPLE 4	0.9	1.35	1.7	0.225	0.4	69.2	0
EXAMPLE 5 COMPARISON EXAMPLE 5	1	1.6	1.9	0.3	0.45	33	0
EXAMPLE 6 COMPARISON EXAMPLE 6	1.5	2.2	2.5	0.35	0.5	21	0
EXAMPLE 7 COMPARISON EXAMPLE 7	1.7	2.4	2.7	0.35	0.5	37.5	0
EXAMPLE 8 COMPARISON EXAMPLE 8	0.8	1.4	1.7	0.3	0.45	84	6
EXAMPLE 9 COMPARISON EXAMPLE 9	1	1.6	1.9	0.3	0.45	56	6

FIG.10A

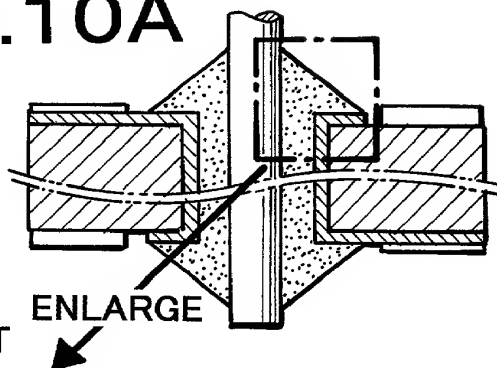


FIG.10B

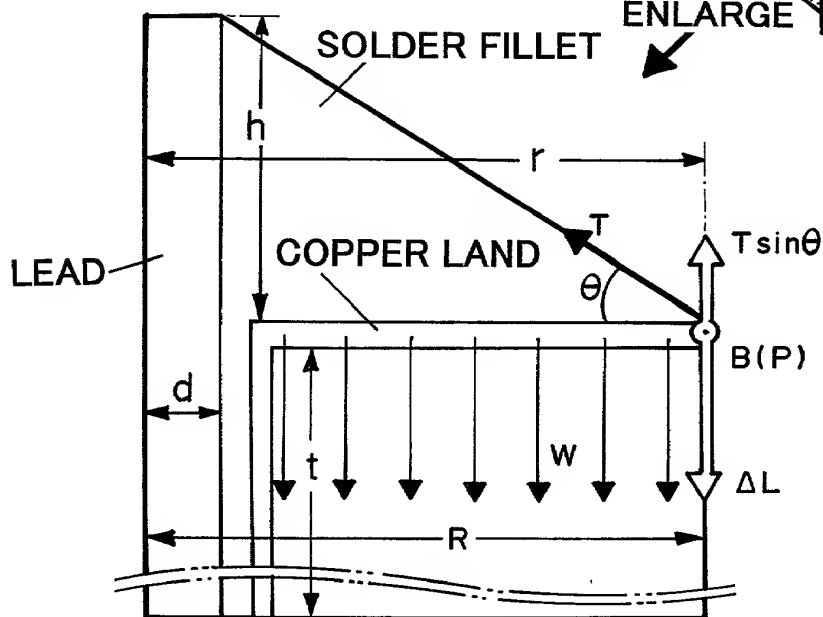
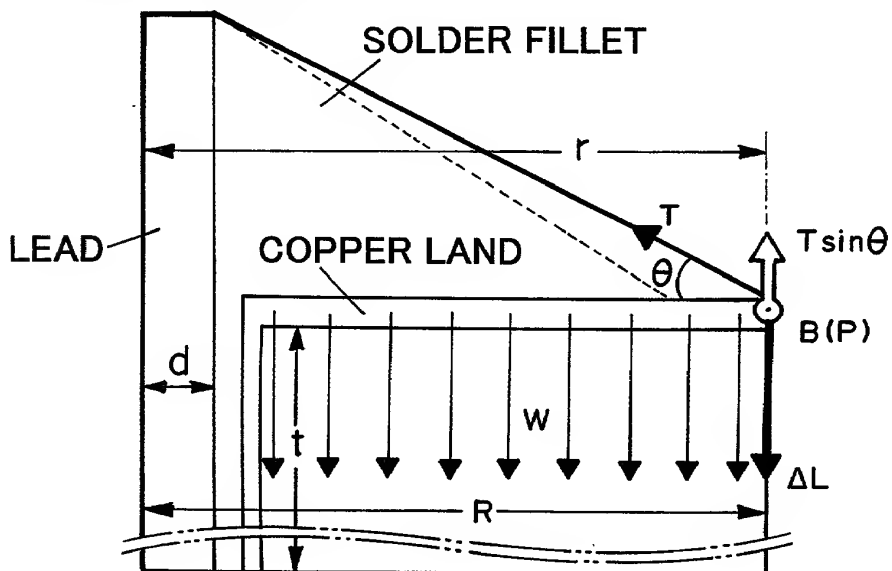
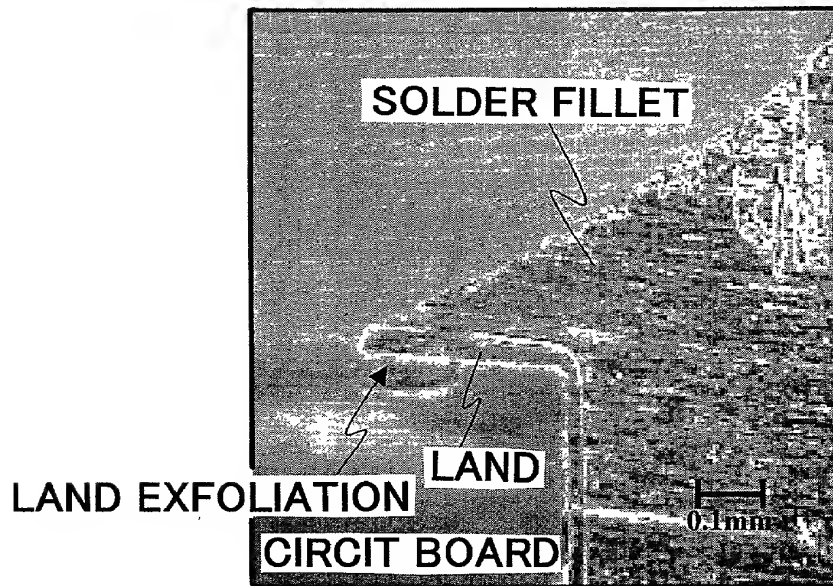


FIG.10C



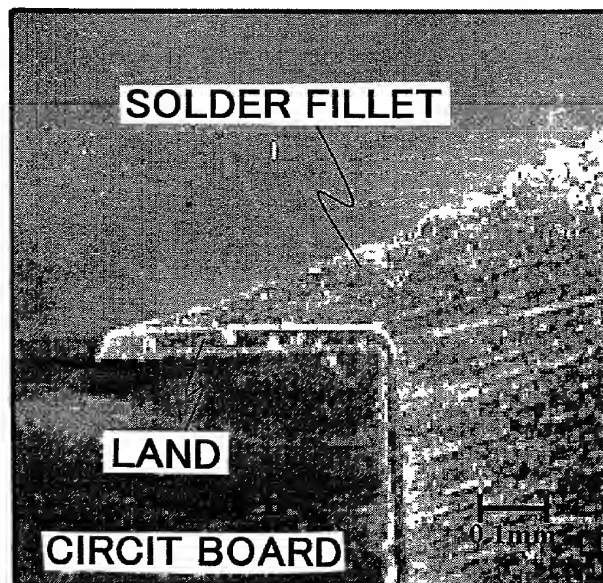
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 "FIG. 10A" 22/58660

FIG.11



LAND RADIUS : 0.25mm

FIG.12



LAND RADIUS : 0.4mm

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FIG. 13

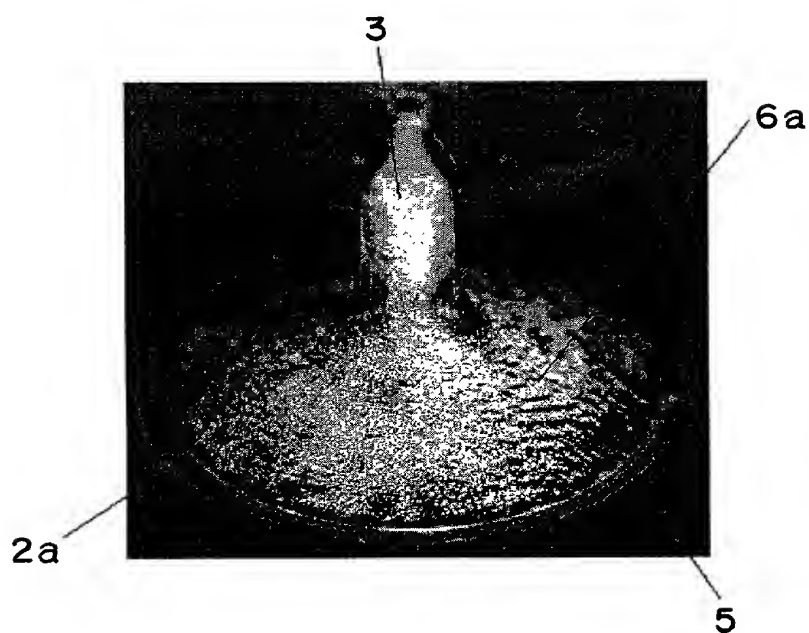


FIG. 14

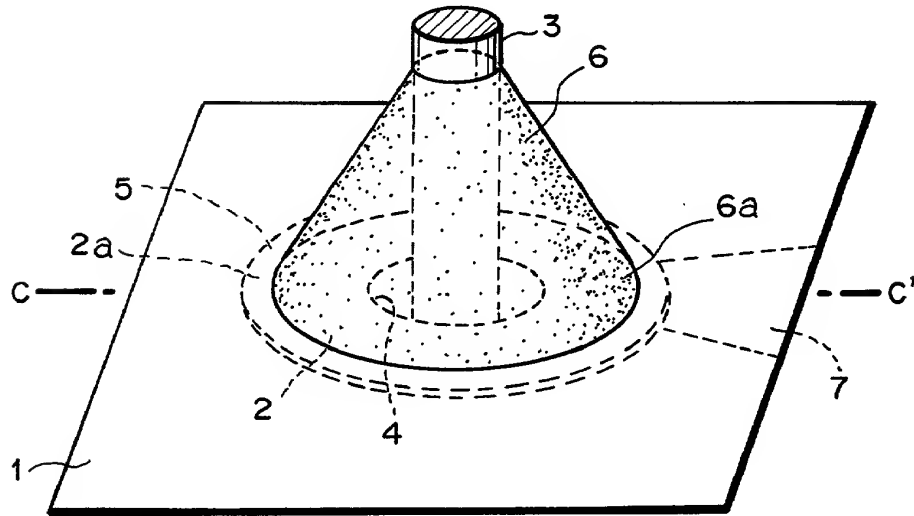


FIG. 15

